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FAX TRANSMISSION COVER SHEET**Date:** 02/24/2006**To:** TC 1637
US Patent and Trademark Office**Fax:** (571) 273-8300**From:** Kenneth K. Sharples
LC/IP**Phone:** (505) 667-0304
Fax: (505) 665-4424**Re:** 09/862,855
S-94,652
Peter M. Goodwin**Sender:** Sharon Ruminer

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Comments:

Included in this facsimile transmittal is the following document for filing in the above-identified patent application:

Response to Election Requirement

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Rev. 06/04/04

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Peter M. Goodwin

Docket No.: S-94,652

Serial No.: 09/862,855

Examiner: Strzelecka

Filed : 5/21/2001

Art Unit: 1637

For : RAPID HAPLOTYPING BY SINGLE MOLECULE DETECTION

Customer No. 35068

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450RESPONSE TO ELECTION REQUIREMENT

Sir:

In response to the requirement for election set forth in the Office Action dated 24 January 2006, please enter the elections which begin on page 2 of this paper.

A current listing of claims begins on page 3 of this paper.

CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8(a))

I hereby certify that this correspondence is, on the date shown below, being:

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Sharon Ruminer
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Sharon Ruminer
(type or print name of person certifying)

Date 2/24/06

SN 09/862,855
Docket No. S-94,652
In Response to Office Action dated 01 January 2006

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SPECIES ELECTIONS PURSUANT TO REQUIREMENT FOR ELECTION

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The Office defined several patentably distinct species to which the claims are directed, and requires election of one species from each of the species groups I-III, and one species from either group IV or V.

50 In response, applicants hereby elect the following species:

Group I / Probe detection method: applicants elect species B, detection using confocal microscopy (claims 1-4, 6-21);

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Group II / Probe characteristics: applicants elect species C, luminescence emission spectral distribution (claims 1-21) ;

Group III / Type of hybridization probes by label: applicants elect species H, single dye molecules (claims 1-21); and,

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Group IV / Single probe species: applicants elect species N, single probes are oligo DNA (claims 1-21).